

218957US8



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF:

Kazunori MUKASA : EXAMINER: unassigned

SERIAL NO: 10/086,413 :

FILED: MARCH 4, 2002 : GAU: 2874

FOR: OPTICAL FIBER AND WAVELENGTH
DIVISION MULTIPLEX TRANSMISSION
LINE

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

In response to Notice to File Corrected Application Papers dated April 9, 2002,
submitted herewith is an abstract of the disclosure on a separate sheet.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Gregory J. Maier
Registration No. 25,599
Masayasu Mori
Registration No. 47,301
Attorneys of Record



22850

Tel: (703) 413-3000

Fax: (703) 413-2220

GJM/MM:si

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ABSTRACT OF THE DISCLOSURE

An optical fiber includes center and first side cores. An apparent refractive index differences of the center and first side cores are 1.15 to 1.40% and -0.60 to -0.35, respectively. A constant expressing a profile of a distribution of refractive index of the center core is 1.0 to 5.0. A ratio of diameters of the first side and center cores is 1.6 to 2.4. A dispersion value is -60 to -35 ps/nm/km, a dispersion slope is -0.40 to -0.10 ps/nm²/km, a transmission loss is 0 to 0.35 dB/km, a ratio of loss to dispersion is 120 to 500 (ps/nm)/dB, a polarization mode dispersion is 0 to 0.15ps / $\sqrt{\text{km}}$, and an effective core area is 19 to 50 μm^2 when the wavelength is 1.55 μm band. A bending loss at a diameter of 20 mm is 0 to 5 dB/m.

2025 RELEASE UNDER E.O. 14176



03CD

Docket No.: 218957US8

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

RE: Application Serial No.: 10/086,413
Applicants: Kazunori MUKASA
Filing Date: MARCH 4, 2002
For: OPTICAL FIBER AND WAVELENGTH DIVISION
MULTIPLEX TRANSMISSION LINE
Group Art Unit: 2874
Examiner: unassigned

GREGORY J. MAIER
(703) 413-3000
GMAIER@OBLON.COM
MASAYASU MORI
(703) 413-3000
MMORI@OBLON.COM
*BAR OTHER THAN VIRGINIA

SIR:

Attached hereto for filing are the following papers:

NOTICE TO FILE CORRECTED APPLICATION PAPERS
RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

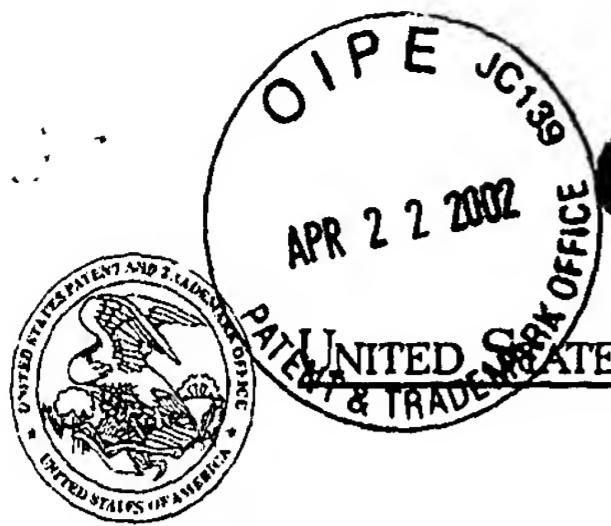
OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Gregory J. Maier
Attorney of Record
Registration No. 25,599
Masayasu Mori
Registration No. 47,301



22850

(703) 413-3000 (phone)
(703) 413-2220 (fax)
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WASHINGTON, D.C. 20231
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| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 10/086,413 | 03/04/2002 | Kazunori Mukasa | 218957US8 |

CONFIRMATION NO. 1376

22850
OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC
FOURTH FLOOR
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VA 22202

FORMALITIES LETTER



OC000000007828511

Date Mailed: 04/09/2002

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- An Abstract not to exceed 150 words in length, commencing on a separate sheet (37 CFR 1.72(b)).

A copy of this notice MUST be returned with the reply.

B. Habermann
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE